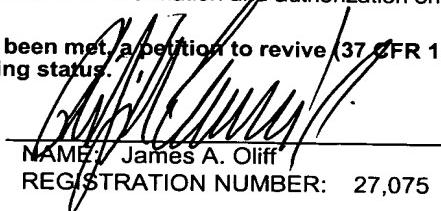


FORM PTO-1390 (REV. 01-2003) TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE ATTORNEY'S DOCKET NUMBER 1234
INTERNATIONAL APPLICATION NO. PCT/JP03/013216		INTERNATIONAL FILING DATE October 13, 2003
		PRIORITY DATE CLAIMED October 12, 2002
TITLE OF INVENTION INTEGRATED GAS VALVE		
APPLICANTS FOR DO/EO/US Kazuhiro YOSHIDA; Takashi INOUE; Jugo MITOMO; Hironobu NARUI		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). c. <input type="checkbox"/> The International Application was filed in English. 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Transmittal of Power of Attorney and Statement 		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/532,083	INTERNATIONAL APPLICATION NO. PCT/JP03/013216	ATTORNEY'S DOCKET NUMBER 3483		
21. <input type="checkbox"/> The following fees are submitted:		CALCULATIONS PTO USE ONLY		
BASIC NATIONAL FEE (37 CFR 1.492(a)): \$ 300.00		\$		
SEARCH FEE (37 CFR 1.492(b)(1)-(3)):		\$		
International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA \$ 100.00				
International search report provided to USPTO no later than the time at which the search fee is paid \$ 400.00				
All situations not provided for above \$ 500.00				
EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):		\$		
International preliminary examination report prepared by the USPTO as IPEA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage \$ 100.00				
All situations not provided for above \$ 200.00				
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$		
TOTAL PAGES OF APPLICATION OVER 100 (- 100)	÷ 50	= †	x 250 =	\$
†round up to next integer				
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
TOTAL CLAIMS	- 20	=	x 50.00 =	\$
INDEPENDENT CLAIMS	- 3	=	x 200.00 =	\$
MULTIPLE DEPENDENT CLAIM(S)(if applicable)			+ 360.00 =	\$
		TOTAL OF ABOVE CALCULATIONS =		\$
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.				\$
		SUBTOTAL =		\$
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$
		TOTAL NATIONAL FEE =		\$
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+		\$
		TOTAL FEES ENCLOSED =		\$
		Amount to be refunded: \$		
		charged: \$		
a. <input type="checkbox"/> Check No. _____ in the amount of \$ _____ to cover the above fees is enclosed.				
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.				
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>15-0461</u> . A duplicate copy of this sheet is enclosed.				
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.				
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.				
SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944				
 NAME: James A. Oliff REGISTRATION NUMBER: 27,075				
Date <u>May 25, 2005</u> NAME: Philip A. Caramanica, Jr. REGISTRATION NUMBER: 51,528				

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Kazuhiro YOSHIDA et al.

Application No.: 10/532,083

Filed: April 21, 2005

Docket No.: 123483

For: INTEGRATED GAS VALVE

**TRANSMITTAL OF POWER OF ATTORNEY AND
STATEMENT UNDER 37 CFR § 3.73(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is a Power of Attorney from the Assignees.

In compliance with 37 CFR §3.73(b), the undersigned hereby states that CKD CORPORATION and SONY CORPORATION are together the assignees of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors of the patent application identified above. A copy of the assignment is attached hereto.

The undersigned is authorized to act on behalf of the assignee.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD
BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944, TELEPHONE
(703) 836-6400.**

Respectfully submitted,

Joel S. Armstrong
Registration No. 36,430

JSA/mps

Date: May 25, 2005

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Kazuhiro YOSHIDA et al.

Application No.: New U.S. Application

Filed: April 21, 2005

Docket No.: 123483

For: INTEGRATED GAS VALVE

SPECIFIC POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CKD CORPORATION, owner or co-owner of the entire right, title and interest
in the above patent application by virtue of:

- a. being an inventor, or
- b. an Assignment
 - i. copy attached, or
 - ii. recorded at Reel _____, Frame _____ of the Patent Office microfilm records,

hereby appoints the patent practitioners associated with Oliff & Berridge, PLC Customer No. 25944 as attorneys of record to prosecute this application and all continuations and divisions thereof, and to transact all business in the Patent and Trademark Office.

The undersigned has reviewed the chain of title and confirms that the aforesaid title is in the owner. The undersigned is authorized to execute this document as or on behalf of the owner.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION
SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944,
TELEPHONE (703) 836-6400.**

May 13, 2005

Date

Signature

Typed Name: Sohei KANDA

Title: President
(if acting on behalf of an Owner)

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Kazuhiro YOSHIDA et al.

Application No.: New U.S. Application

Filed: April 21, 2005

Docket No.: 123483

For: INTEGRATED GAS VALVE

SPECIFIC POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SONY CORPORATION, owner or co-owner of the entire right, title and interest in the above patent application by virtue of:

- a. being an inventor, or
- b. an Assignment
 - i. copy attached, or
 - ii. recorded at Reel _____, Frame _____ of the Patent Office microfilm records,

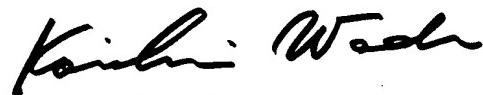
hereby appoints the patent practitioners associated with Oliff & Berridge, PLC Customer No. 25944 as attorneys of record to prosecute this application and all continuations and divisions thereof, and to transact all business in the Patent and Trademark Office.

The undersigned has reviewed the chain of title and confirms that the aforesaid title is in the owner. The undersigned is authorized to execute this document as or on behalf of the owner.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION
SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944,
TELEPHONE (703) 836-6400.**

May 13, 2005

Date



Signature

Typed Name: Koichi WADA

Manager,
Title: Intellectual Property Div.
(if acting on behalf of an Owner)

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1) <u>Kazuhiro YOSHIDA</u>	(5) _____
	(2) <u>Takashi INOUE</u>	(6) _____
	(3) <u>Jugo MITOMO</u>	(7) _____
	(4) <u>Hironobu NARUI</u>	(8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee	(9) 1) <u>CKD CORPORATION</u> 2) <u>SONY CORPORATION</u>
(10) Insert Address of Assignee	(10) 1) <u>250, Oiji 2-chome, Komaki-shi, Aichi, 485-8551 Japan</u> 2) <u>7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan</u>

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number	(11) <u>INTEGRATED GAS VALVE</u>
	(Attorney Docket No. <u>123483</u>)
	for which the undersigned has (have) executed an application for patent in the United States of America
(12) Insert Date of Signing of Application	(12) on <u>March 7, March 27, and March 28, 2005</u>
(13) Alternative Identification for filed applications	(13) U.S. Application Serial Number _____ filed <u>April 21, 2005</u>

1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of OLIFF & BERRIDGE the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>Mar. 7. 2005</u>	Name of Inventor <u>Kazuhiro Yoshida</u> (SEAL)
Date <u>Mar. 7. 2005</u>	Name of Inventor <u>Takashi Inoue</u> (SEAL)
Date <u>Mar 27. 2005</u>	Name of Inventor <u>Jugo Mitomo</u> (SEAL)
Date <u>Mar 28. 2005</u>	Name of Inventor <u>Hironobu Narui</u> (SEAL)
Date _____	Name of Inventor _____ (SEAL)
Date _____	Name of Inventor _____ (SEAL)
Date _____	Name of Inventor _____ (SEAL)
Date _____	Name of Inventor _____ (SEAL)